

1/1 - (C) WPI / DERWENT

AN - 1986-052912 [08]

AP - JP19840128190 19840621

PR - JP19840128190 19840621

TI - Fire-proof and hardenable resin compsns. - contain polyphenylene ether

resin, polyfunctional maleimide and cyanate, epoxy] resin and fire proofing component

IW - FIRE PROOF HARDEN RESIN COMPOSITION CONTAIN POLYPHENYLENE ETHER RESIN

POLYFUNCTIONAL MALEIMIDE CYANATE POLYEPOXIDE RESIN FIRE PROOF

COMPONENT

PA - (MITN ) MITSUBISHI GAS CHEM CO INC

PN - JP61007331 A 19860114 DW198608 006pp

IC - C08G59/40 ; C08G73/12 ; C08L71/04

AB - J61007331 A fireproof and hardenable resin compsn. comprises essential

components of (A) a polyphenylene-ether resin, (B) a poly-functional maleimide, (C) a poly-functional cyanate and (D) an epoxy resin, and

further contains (E) a fire-proofing component of a halogenated polycarbonate resin oligomer or a halogenated epoxy resin.

- (A) are pref. poly(2,6-dimethyl- 1,4-phenylene)ether, 2,6-dimethylphenol -2,3,6-trimethylphenol copolymer. (B) are represented by a formula (I) (where R is di- to penta-valent

aromatic

or alicyclic organic gp.; X1 and X2 each are H, halogen, or alkyl; m

is 2-5). (C) are represented by R(OCN)n (where n is 2-5; R is

aromatic

organic gp.), and examples thereof are 1,4-dicyanatobenzene, 1,3,5-tricyanatobenzene, 1,3- or 1,4-dicyanato-naphthalene, 1,3,6-tricyanato-naphthalene, 4,4-dicyanobiphenyl, etc. (D) are typically bisphenol a-glycidylether, phenolnovolak -glycidylether.

(E)

are 2,4,6-tribromophenol (TBP)-terminated 2,2-bis(4-hydroxy -3,5-dibromophenyl)-propane -(TBA)-homo-oligomer (as a halogenated polycarbonate resin or oligomer); or halogenated bisphenol A-type epoxy resin (as a halogenated epoxy resin).

- USE/ADVANTAGE - Heat-resistance, chemical-resistance, adhesiveness, peeling-resistance and electric characteristic are good. Usable as liq. or powdery coating material, casting material, moulding

material,

laminate materials, tape, sheet or film; in partic., pref. as

fibre-reinforced laminate sheets. (6pp Dwg.No.0/0)

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